

WHAT IS CLAIMED IS:

1.           A storage management system comprising:  
              a management object for controlling a request from a manager which manages a data file to be accessed by a user, said management object certifying a second manager ID and a second manager password received from the manager, in accordance with a first ID and a first password stored beforehand; and  
              interfaces to be created by said management object when the certification of the second manager password and the second password by said management object succeeds, and to be expired after a predetermined time, said interfaces permitting an access from the certified manager.
2.           A storage management system according to claim 1, wherein said interfaces created by said management object are expired by themselves when a log-out sent from the manager at the end of the access is received.
3.           A storage management system according to claim 1, wherein said management object transmits a corresponding cipher key to the manager certified by the second manager ID and the second password, and the manager accesses the interfaces by using the cipher key.
4.           A storage management system according to claim 3, wherein said management object create different interfaces when the certification of another

manager ID and another password sent from another manager succeeds, the difference interfaces permitting an access by the certified other manager.

5. A storage management system according to claim 1, wherein said management object has a function of not creating the interfaces if a non-use period from the most recent log-out of the manager exceeds a predetermined period when the second manager ID and the second password are certified.

6. A storage management system according to claim 1, further comprising an information file for storing a plurality of functions of a remote method invocation protocol and a plurality of flags for defining which manager is permitted to use which function.

7. A storage management system according to claim 6, wherein said information file stores a flag for temporarily stopping the use of the created interfaces in response to a maintenance request.

8. A storage management system according to claim 1, further comprising a storage for storing a Java virtual machine having a Java applet program, wherein the Java applet program is transmitted to the manager in response to a request from the manager.

9. A management program having computer codes readable by a storage management system, the program comprising:

a certifying step of certifying a second

manager ID and a second password received from a manager, in accordance with a first ID and a first password stored beforehand; and

an interface creating step of creating interfaces for the manager if said certifying step succeeds the certification of the second manager password and the second password succeeds.

10. A management program according to claim 9, wherein the interfaces are expired by themselves when a log-out sent from the manager at the end of an access is received.

11. A management program according to claim 9, further comprising a step of transmitting a corresponding cipher key to the manager certified by the second manager ID and the second password.

12. A management program according to claim 11, further comprising a step of creating different interfaces when the certification of another manager ID and another password sent from another manager succeeds, the difference interfaces permitting an access by the certified other manager.

13. A management program according to claim 9, wherein there is provided a function of not creating the interfaces if a non-use period from the most recent log-out of the manager exceeds a predetermined period when the second manager ID and the second password are certified.

14. A management program according to claim 9,

wherein there is provided an information file for storing a plurality of functions of a remote method invocation protocol and a plurality of flags for defining which manager is permitted to use which function.

15. A management program according to claim 14, further comprising a step of storing a flag for temporarily stopping the use of the created interfaces in response to a maintenance request.

16. A management program according to claim 9, further comprising a step of transmitting a Java applet program from a Java virtual machine to the manager in response to a request from the manager.

17. A storage management method of controlling a request from a manager in a storage management system controlling a data file to be accessed by a user, the method comprising:

a certifying step of certifying a second manager ID and a second manager password received from the manager, in accordance with a first ID and a first password stored beforehand; and

a step of creating interfaces when the certification of the second manager password and the second password succeeds to permit an access by the certified manager, and expiring the interfaces after a lapse of a predetermined time.

18. A storage management method according to claim 17, wherein the created interfaces are expired by

themselves when a log-out sent from the manager at the end of the access is received.

19. A storage management method according to claim 17, further comprising a step of transmitting a corresponding cipher key to the manager certified by the second manager ID and the second password.

20. A storage management method according to claim 19, further comprising a step of creating different interfaces when the certification of another manager ID and another password sent from another manager succeeds, the difference interfaces permitting an access by the certified other manager.